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C9K

Patent No: US 7,200,329 B2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENTEE(S) : Ki-Cheol Lee et al.  
PATENT NO. : US 7,200,329 B2  
ISSUED : April 3, 2007  
FOR : WAVELENGTH PATH MONITORING/CORRECTING  
CROSS- APPARATUS IN TRANSPARENT OPTICAL  
CONNECT AND METHOD THEREOF

Certificate of Mailing Under 37 CFR 1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to Attention Certificate of Corrections 22313 on April 11, 2007. Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA. Steve Cha, Reg. No. 44,069 (Name of Registered Rep.)

(Signature and Date)

REQUEST FOR CERTIFICATE OF CORRECTION  
UNDER 37 CFR 1.323

Attention Certificate of Corrections Branch  
Commissioner For Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**Certificate**

APR 19 2007

**of Correction**

Dear Sir:

In accordance with the provisions of 37 CFR 1.323, the Patent and Trademark Office is respectfully requested to issue a Certificate of Correction in the above-identified Patent to correct an omission of the Assignee on the face of the Patent (Item 73). The assignee should read

04/17/2007 LWONDIH1 00000029 7200329

01 FC:1811

100.00 0P

-- Samsung Electronics Co., Ltd. --

416, Maetan-Dong, Yeongtong-Gu,  
Suwon-si, Gyeonggi-Do,  
Korea, Republic of Korea.

A copy of the Assignment filed with the initial patent application which reflects Samsung Electronics Co., Ltd's old address is attached.

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Please issue a Certificate of Correction and to place such Certificate in the file, so that such will appear on any copies of the Patent which are ordered in the future. Enclosed is a check in the amount of \$100.00 covering the fee for such correction.

Two (2) copies of Form PTO/SB/44 embodying the requested correction accompany this letter. Return of one copy of the Form duly certified is requested.

Respectfully submitted,

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By: Steve Cha  
Attorney for Applicant  
Registration No. 44,069

Date: April 11, 2007

Enclosure: Copy of Assignment  
Form PTO/SB/44

**Mail all correspondence to:**  
Steve S. Cha, Reg. No. 44,069  
CHA & REITER, LLC  
210 Route 4 East, Suite #103  
Paramus, NJ 07652  
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## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 1 of 1PATENT NO. : US 7,200,328 ~~8~~ **B2**

APPLICATION NO.: 10/635,943

ISSUE DATE : April 3, 2007

INVENTOR(S) : Ki-Cheol Lee et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title Page

Item [73], Assignee is omitted. Should read as follows:

[73] Assignee: Samsung Electronics Co., Ltd.,  
Suwon-Si (KR)

### MAILING ADDRESS OF SENDER (Please do not use customer number below):

CHA & REITER, LLC  
210 Route 4 East, Suite 103  
Paramus, NJ 07652

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: **Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*

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## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 1 of 1

PATENT NO. : US 7,200,328 ~~B2~~

APPLICATION NO.: 10/635,943

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If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

19 2007



US007200329B2

(12) **United States Patent**  
**Lee et al.**

(10) **Patent No.:** **US 7,200,329 B2**  
(45) **Date of Patent:** **Apr. 3, 2007**

(54) **WAVELENGTH PATH  
MONITORING/CORRECTING APPARATUS  
IN TRANSPARENT OPTICAL  
CROSS-CONNECT AND METHOD THEREOF**

(76) Inventors: **Ki-Cheol Lee**, #201-1701, Wonchon  
Jugong 2-danji APT., Wonchon-dong,  
Paldal-gu, Suwon-shi, Kyonggi-do  
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**Jong-Kwon Kim**, 146-12, Kayang  
2-dong, Tong-gu, Taejonkwangyok-shi  
(KR)

(73) Assignee:  
**Samsung Electronics  
Co., Ltd.**  
**Suwon-si (KR)**

(\*) Notice: Subject to any disclaimer, the term of this  
patent is extended or adjusted under 35  
U.S.C. 154(b) by 766 days.

(21) Appl. No.: **10/635,943**

(22) Filed: **Aug. 7, 2003**

(65) **Prior Publication Data**  
US 2004/0151497 A1 Aug. 5, 2004

(30) **Foreign Application Priority Data**  
Feb. 5, 2003 (KR) ..... 10-2003-0007205

(51) Int. Cl.  
**H04J 14/02** (2006.01)

(52) U.S. Cl. .... **398/50; 398/12; 398/19;  
398/47; 398/51**

(58) **Field of Classification Search** ..... **398/12,  
398/19, 47-51**

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

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**FOREIGN PATENT DOCUMENTS**

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\* cited by examiner

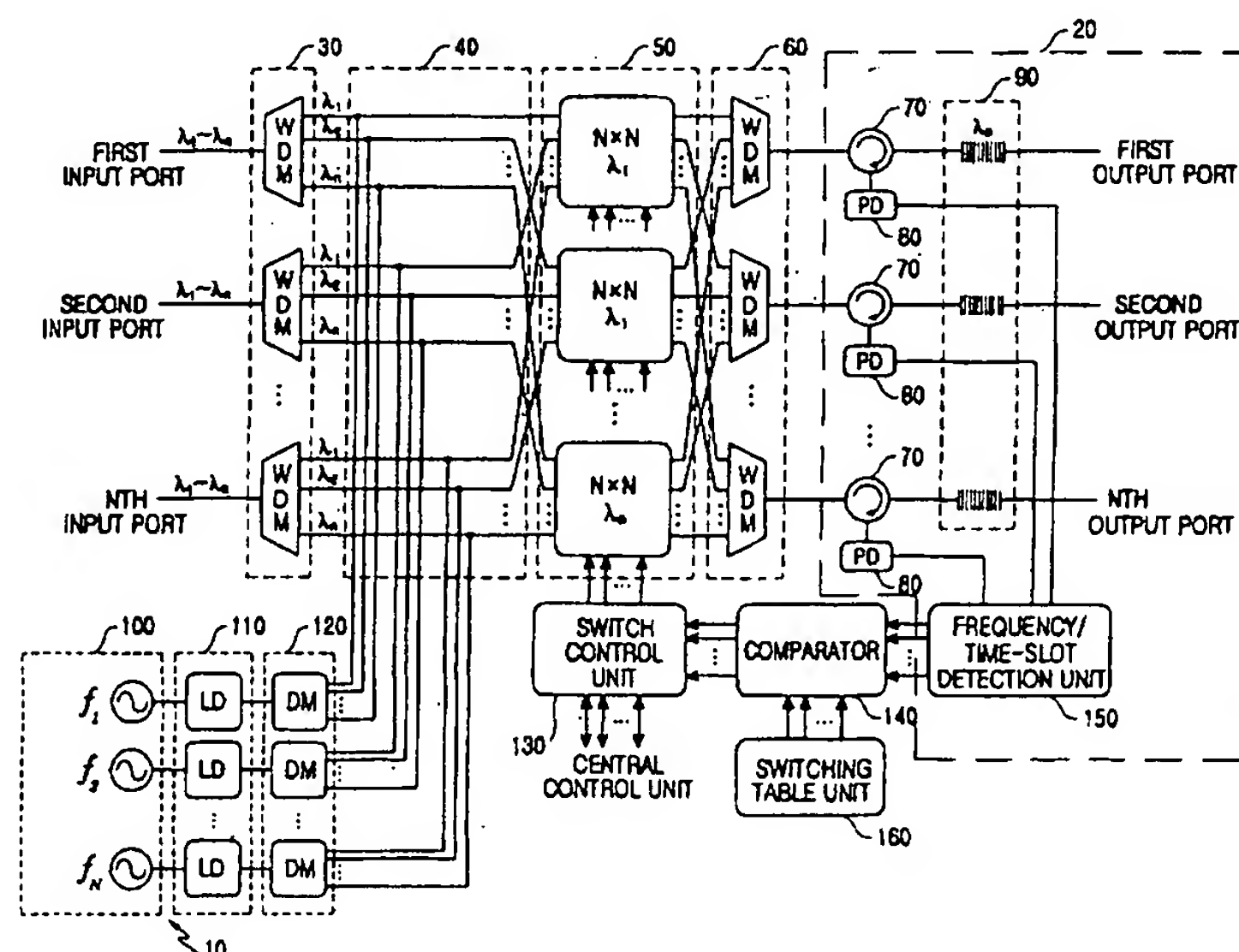
*Primary Examiner*—Leslie Pascal

(74) *Attorney, Agent, or Firm*—Cha & Reiter LLC

(57) **ABSTRACT**

A wavelength-path-monitoring/correcting apparatus used in a transparent OXC is disclosed. The apparatus includes: a path-information-generating section for generating path-monitoring information; a plurality of optical couplers for coupling each output signal of the wavelength-division demultiplexers with the pertinent path-monitoring information; a plurality of optical switches for switching each optical signal inputted from the optical couplers; a plurality of wavelength-division multiplexers for multiplexing optical signals inputted through the optical switches; a path-information-detecting section for detecting the path-monitoring information from optical signals outputted from the wavelength-division multiplexers; and, a path-control section for comparing the path-monitoring information detected through the path-information-detecting section with predetermined optical-switching information and for correcting switched paths.

**16 Claims, 9 Drawing Sheets**



APR 19 2007

**Assignment of Invention and Patent Application**

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that for and in consideration of TEN (\$10.00) DOLLAR,

- 1) Ki-Cheol LEE of  
#201-1701, Wonchon Jugong 2-danji APT., Wonchon-dong, Paldal-gu, Suwon-shi,  
Kyonggi-do, Republic of Korea
- 2) Yun-Je OH of  
#102-202, Dongilhivil, Unnam-ri, Kusong-myon, Yongin-shi, Kyonggi-do,  
Republic of Korea
- 3) Jong-Kwon KIM  
146-12, Kayang 2-dong, Tong-gu, Taejonkwangyok-shi, Republic of Korea

(hereinafter **Assignor**) hereby sells, assigns, transfers, and sets over unto:

**SAMSUNG ELECTRONIC CO., LTD.** of  
**416, MAETAN-DONG, PALDAL-GU, SUWON-CITY, KYUNGKI-DO, KOREA**  
**REPUBLIC OF KOREA**

(hereinafter **Assignee**) the entire right, title and interest for the United States Of America as defined in 35 U.S.C. § 1.00, in and to the invention entitled as:

**WAVELENGTH PATH MONITORING/CORRECTING APPARATUS IN *TRANSPARENT*  
*OPTICAL CROSS-CONNECT AND METHOD THEREOF***

invented by **Assignor**; the application for United States patent therefor, invented by **Assignor**; any patent or reissues of any patent that may be granted thereon; and any applications which are continuations, continuation-in-part, substitutes, or divisions of said application. **Assignor** authorizes **Assignee** to enter the date of signature and/or Serial Number and Filing Date in the above. **Assignor** also authorizes and requests the Commissioner of Patents and Trademarks to issue any resulting patent(s) to the said **Assignee**, for its interests as **Assignee**, its successors, assigns and legal representatives. The undersigned agrees that the attorney of record in said application shall hereafter act on behalf of said **Assignee**; and **Assignor** further conveys to **Assignee** all priority rights resulting from the above-identified application for United States Patent. **Assignor** agrees to execute all papers, give any required testimony and perform other lawful acts, as deemed essential by **Assignee** to perfect **Assignee's** interest in any resulting patent of the United States, and to acquire, hold, enforce, convey, and uphold the validity of said patent and reissues and extensions thereof, and **Assignee's** interest therein.

SIGNED ON THE DATES(S) INDICATED BESIDE MY/OUR SIGNATURE(S):

Name of First Inventor: Ki-Cheol LEE

Ki cheol Lee  
Signature of inventor

Dated: August 5, 2003

WITNESSED: Jong-Hee KIM

Name of Second Inventor: Yun-Je OH

Yun-Je Oh  
Signature of inventor

Dated: August 5, 2003

WITNESSED: Jong-Hee KIM

Name of Third Inventor: Jong-Kwon KIM

Jong kwon Kim  
Signature of inventor

Dated: August 5, 2003

WITNESSED: Jong-Hee KIM